Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

### **Purchasing Receipts**

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To
PO039829	THY001- VC	1	1	60	R2.500	Bronze C63000 Round Ber 2.500"": MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463				2	5/22/2018	2		\$072875	Stock	5/22/2018	\$ 172.50 / ft	0		6
									Total:	2		2								\$2

Plex 5/22/2018 8:30 AM Dart.Dubois.Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039829

Tei (613) 632-5200

Supplier: THY001-VC

Ship To:

Thyssenkrupp Materials CA Ltd O/A VPK Metal- c/o T27540 PO Box 4275, Postal"A"

Toronto ON

M5W 5V8 Canada Phone: 905 669 9444 Fax: 905 738 9033

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada Phone: 613-632-5200

ON

PO No:

PO039829

PO Date:

5/8/18

Due Date:

5/22/18

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: quote no. 1203109433

			It is	ems						
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended
	MT-BRONZE- C63000-R2.500		Bronze C63000 Round Bar 2,500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	5/22/18	2 ft	2	2 ft	\$172.50/ft	DAS 11
2	M17-4- B0.500X2.000		17-4 SS Bar .500 x 2.00 : MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGHT OF BAR MIN. YIELD TENSILE STRENGTH = 100 KSI MIN. ULTIMATE TENSILE STRENGTH = 150 KSI receive ft	Firmed	5/22/18	12 ft	of 13		\$19.32/ft	\$231.84
33	M304R0.625		304 SS Round bar 0.625 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	5/11/18	12 ft	07	12 ft	\$7.08333/ft	\$85.00

			It	ems						
Line Item					Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended
4	M6061T6R7.000		6061-T6 Round Bar 7.000" (CUT TO SIZE: 7.125") : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS-4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft		5/22/18	2.969 ft	of ft	3 ft	\$148.21052/ft	\$440.04
ne Item Note	note; cut to 7.125'	' x 5 pcs =	2.96875 ft							
									Grand Total:	\$1 101 8

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program
A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit

https://doi.org/10.1016/j.com/1

Plex 5/8/18 11:44 AM dart.lavoie chantal



Arr

thyssenkrupp Materials NA,4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

### **DELIVERY NOTE**

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

DATE:

05/22/2018

DOC. NO:

2405966158\* 2405966158

BOL. NO:

ORDER NO:

1403639010

YOUR P/O: CUSTOMER NO: PO039829

10058125

Route:

303UA

CONTACT:

Lucy Truglio

TEL:

FAX:

EMAIL:

lucy.truglio@thyssenkrupp.co

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

REFERENCED ON IT \*\*

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment. NET QTY1 / QTY2 PACKAG

TEM DESCRIPTION 0010 AMS4640, ASTM B150 ( elorence

1008612892

1 PC

CURD00449

Aluminum Bronze C63000 HR50 (drawn & stress relieved) Round

2.5000 (+-.005) X 24 " RBW Cutting - Standard +.125

Cut To Length

24.0000 " 1

Actual Chemistry/Act. Physical

Standard Packaging

MATERIAL ORIGIN: UK OR FRANCE

AMS4640, ASTM B150

TAGNUM QTY **UOM VEND** 

VENDPO

PCS --- COM

1013850427 1 SAE AMS 4640 H:ROHS COMPLIANT; ASTM B 150/B 150M 2012

PC LEBRONZE

5400358448

**Total Gross Weight** 

31.348 lb

31.348 lb

All items, not declared as partial delivery, are final quantities. Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID



thyssenkrupp Materials NA,4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

## **DELIVERY NOTE**

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 DATE: 05/22/2018
DOC. NO: 2405966158\*
BOL. NO: 2405966158
ORDER NO: 1403639010
YOUR P/O: P0039829
CUSTOMER NO: 10058125
Route: 303UA

TEL: FAX:

CONTACT:

EMAIL: lucy.truglio@thyssenkrupp.co

Lucy Truglio

m

#### CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

\*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



INSPECTION CERTIFICATE EN 10204 3.1

Number

0000409217/000

Page Lot nº 1/2 1707708397

Printed

25/09/17

THYSSENKRUPP MATERIALS NA PO Box 5116

Delivery address THYSSENKRUPP MATERIALS NA **CBS NORTHWOOD** 8001 THYSSENKRUPP PARKWAY NORTHWOOD OH

MI 408086-5116 SOUTHFIELD USA

Y/Ord

5400358448-R05/CURD00449

o/ord

1632702/006

of 12/07/17

Y/Ord date

12/07/17

Delivery n° 3633405/0190549.11/COCBSN

Deliv. date 31/07/17

Bl Reference

2,500" X 144" M/L ROUND BAR 663000-HR50-FIXLG-63,50

0,000 LG:2 /3.658,

BARRE RONDE NC4

ASTMB150ASMESB150AMS4640QQC465

UNS C63000

Alloy Condition

Ordered qty

HR50 FIXED LENGTHS

5467,316 LB Delivered qty

2008,810 LB Net weight

912,000 KG

Chemical analysis - if Cu not mentionned: balance

Componant.	Cu+Aq	(Cu		IAL		Ni	+Co	Ni		Fe		Mn		Zn		Si		1
o simple it at the	1 %	1	8	1	8	1	8	1	5	1	8	1	8	1	8	1	8	1
Minimum	77,25	1 7	7,25	ĺ	9,0	1	4,0	1	4,0	1	2,0	1		1		+		1
Maximum	85,00	1 8	5,00	1	11,0	-1	5,5	1	5,5	1	4,0	1	1,50	1 0,	300	1	0,25	1
Record -1-	80,44	1 8	0,44	1	10,4	1	4,6	1	4,6	1	3,6	1	0,66	1 0,	100	1	0,07	1
				-1		- [		-1		-				1				.
Componant.	Sn	1		1		1		1		1		1		1		1		1
	8	1		1		1		1		1		1		1		1		1
Minimum	i	1		1		1		1		1		1		1				1
Maximum	1 0,200	1		1		j		1		ļ		1		1				1
Record - I-	1 0,001	1		1		1		1		1		1		1				ı

#### Mechanica tests

Test .		sile ength	Elongat	ion	Hardness		Yield  strengt	h 0,5%	1
Index	1		4D		30D2		EUL		1
Unit	1	ksi	}	8	HB		į k	si	
Minimum	1	105,0	1	10,0	1	187,0	1	55,0	1
Maximum	1		1		l .	241,0	1		l
Test -1-	1	116,5	1	12,4	I.	222,0	1	60,1	1

Other tests

HEAT Number : 603275

Dimensional

Mercurous Nitrate Test

Ultrasonic

ASTMB154 MIL2154/A

Properties conform

ASTMB150/8150M (03) (08) (12) [HR50]

Validated by Jean philippe GONNET

Quality control inspector

| Validated with electronic signature

Singe social / ZI Vote de Châlens - RD 977 - 51603 Sulppes - France - Tel + 33 (0)3 26 69 28 28 - Fax + 33 (0)3 26 70 16 82 - www lebronze-alloys.com SAS au capital de 12.457.353 Euros - RCS Châlons en Charopagne 572 196 129 - TVA UE FR60 572 186 129

Del.: 2405966158

From: TK Materials CA, Ltd.

Cust. DART AEROSPACE LTD

CstAr

Wgt.: 31.348 LB

Date 05/16/2018

Cstor P0039829

Tomas Sanche



INSPECTION CERTIFICATE EN 10204 3.1

Number Page

0000409217/000 2/2

Lot n°

1707708397

Purchaser

THYSSENKRUPP MATERIALS NA

Printed Delivery address

25/09/17

PO Box 5116

THYSSENKRUPP MATERIALS NA **CBS NORTHWOOD** 8001 THYSSENKRUPP PARKWAY NORTHWOOD

OH

MI 408086-5116 SOUTHFIELD USA

5400358448-R05/CURD00449

0/016

1632702/006

of 12/07/17

Y/Ord date

12/07/17

Deliv. date 31/07/17

Delivery h° 3633405/0190549.11/COCBSN

2,500" X 144" M/L ROUND BAR

BI Reference

C63000-HR50-FIXLG-63,50 \* 0,000 LG:2 /3.658,

BARRE RONDE NC4

Standard

ASTMB150ASMESB150AMS4640QQC465

UNS C63000

Alloy Condition

HR50 FIXED LENGTHS

Ordered gty

5467,316 LB Delivered qty

2008,810 LB Net weight

912,000 KG

ASMESB150 (06) (HR50)

AMS4640 G (05) / AMS4640 H (11)

QQC465B AMD 1 (83)

Chemical composition conforms to ASTMB124/B124M (12) Ultrasonic test in accordance with mil2154 / AMS2154 (2005) class A and ASTM E2375-08 class A

Mercurous Nitrate test in accordance with ASTMB154 : ok

This material did not come in direct contact with mercury or any of its compounds during its manufacturing, inspection or storage.

Melted and manufacturing in FRANCE.

Chemical analysis and mechanical properties in conformity with EN12163 /CW307G / R680 or M and ASTMB124

No weld repair was performed on this material The results of the other tests and the frequency are conformable with the norm in reference. This material has been manufactured and tested in accordance with the listed specifications and results conform to the specification and order requirements.

LEBRONZE ALLOYS

SIEGE SOCIAL-ZI VOIE DE CHALONS-RD 977-51600 SUIPPES-FRANCE TEL: +33(0) 3 26 69 28 28 www.lebronze-alloys.com

RCS Chalons en Champagne 572 196 129 - TVA UE FR60 572 196

Validated by Jean philippe GONNET

| Quality control inspector

Validated with electronic signature

Siège social : 21 Voie de Châlons - RD 977 - 51600 Saippes - France - Tel + 33 (0)3 36 69 28 28 - Fax + 33 (0)3 26 70 15 82 - www.lebtonze-alloys.com SAS au capital de 12.457.353 Euros - RCS Châlons en Champagne 572 196 129 - TVA LIE FR60 572 196 129

From: TK Materials CA, Ltd.

Cust. DART AEROSPACE LTD

CstOr P0039829

Del.: 2405966158

Date 05/16/2018

CSEAr Wgt.: 31.348 LB

Tomas Sarche

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	2 2 2	5	THICKNESS ORDERED: 2.500 THICKNESS RECEIVED: 2.500 SHEET SIZE RECEIVED: 1//
DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Υ	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	. 1
ORRECT MATERIAL PER M-DRAWING	(Y)	N	Astun 12150
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 603275
RRECT MATERIAL IDENTFICATION		N	
ORRECT M# ON THE MATERIAL	M	N	
OOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	× (	(2)	
DOES THIS REQUIRE AN	Υ	S	

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: DAS	SIGNED OFF BY:
DATE: 9-89 MAY 2 2 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

